

SURFACE-STRENGTHENING RAMAN SPECTRUM IMMUNOASSAY

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Abstract of JP 6174723 (A)

PURPOSE: To provide a method, a composition, a device and apparatus and a kit for determining the presence and the quantity of an analyte by observing an analyte-medium ligand bonding event in a test mixture containing an analyte to be assayed, and particles having a specific bonding position, a Raman active label and a surface inducing surface-enhanced Raman scattering.

CONSTITUTION: A test mixture is irradiated with a radiation energy sufficient for emitting Raman spectrum being detected by a Raman-active label in the test mixture. The difference of detected surface-enhanced Raman scattering spectrum depends on the quantity of analyte existing in the test mixture. Consequently, the presence and the quantity of analyte can be determined by observing the difference.

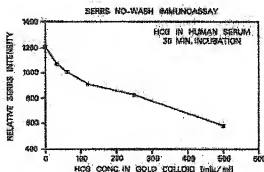


FIG.9

Data supplied from the *espacenet* database — Worldwide

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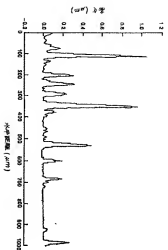
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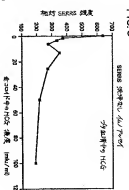
[図1]

FIG.1



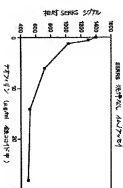
[図4]

FIG.8



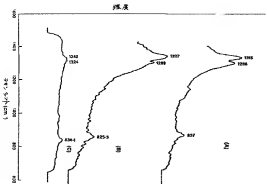
[図10]

FIG.10



[図2]

FIG.2



[図3]

FIG.3

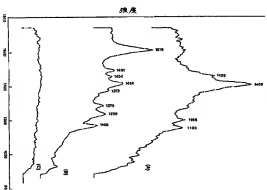
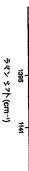


FIG.4



[図9]

[図11]

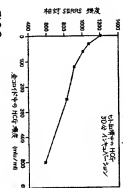


FIG.9

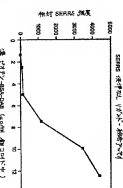


FIG.11

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【図5】

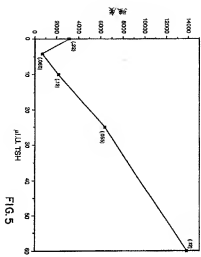


FIG.5

【図7】

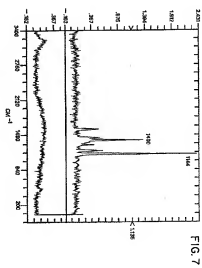


FIG.7

【図12】

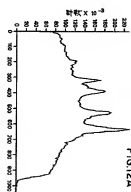


FIG.12A

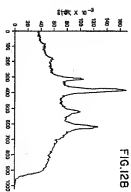


FIG.12B

【図6】

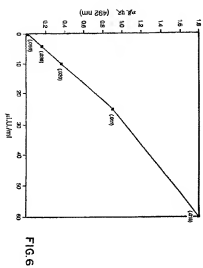


FIG.6

フロントベアリングの風き

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